

KWD10 Specifications

NEMIC-LAMBDA

PA774-01-01

*: For delivery, contact to our sales office.

ITEMS	MODEL	KWD10-1212		KWD10-1515		
		CH1	CH2	CH1	CH2	
1	Nominal Output Voltage	V	+12V (24V)	-12V	+15V (30V)	-15V
2	Minimum Output Current	A	0	0	0	0
3	Maximum Output Current	A	0.45	0.45	0.36	0.36
4	Maximum Output Power	W	10.8		10.8	
5	Efficiency (typ)	(*1) %	72		72	
6	Input Voltage Range	(*2) -	85 ~ 265VAC (47~440Hz) or 110 ~ 340VDC			
7	Input Current (typ)	(*1) A	0.3A at 100VAC			
8	Inrush Current (typ)	A	15A at 100VAC, 30A at 200VAC Ta = 25°C			
9	Output Voltage Range	-	FIXED ±5% (Max)		FIXED ±5% (Max)	
10	Maximum Ripple & Noise	(*3) mV	150	150	150	150
11	Maximum Line Regulation	(*3,*4) mV	60	60	75	75
12	Maximum Load Regulation	(*3,*5) mV	600	600	750	750
13	Maximum Temperature Drift	(*3,*6) mV	120	120	150	150
14	Over Current Protection	(*7) -	105% ~			
15	Over Voltage Protection	(*8) -	110% ~			
16	Parallel Operation	-	-----			
17	Series Operation	-	Possible			
18	Hold-Up Time (typ)	-	17mS at 10W, 100VAC, Ta = 25°C			
19	Operating Temperature	-	-10°C ~ +70°C (-10°C : 80%, 0~+50°C : 100%, +70°C : 25%)			
20	Operating Humidity	-	30 ~ 90%RH (No dewdrop)			
21	Storage Temperature	-	-30 ~ +85°C			
22	Storage Humidity	-	20%RH ~ 95%RH (No dewdrop)			
23	Cooling	-	Convection Cooling			
24	Withstand Voltage	-	Input-Output : 3kVAC(20mA), Input-FG : 2kVAC(20mA) Output-FG : 500VAC(100mA) for 1minute each.			
25	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output-FG 500VDC			
26	Vibration	-	10~55Hz, Constant Amplitude 1.65mm p-p (Max 10G), sweep 1 Minute X,Y,Z 1 hour each			
27	Shock	-	Less than 50G for 11±5mS on ± (X, Y, Z) axis each 3 times			
28	Safety	-	Approved by UL1950, CSA234, EN60950(TUV)			
29	Conducted Radio Noise	(*9) -	Built to meet VCCI-Class B, FCC class B, VDE classB			
30	Weight	g	100g			
31	Size (WxHxD)	mm	45 x 20.5 x 64 (Refer to Outline Drawing)			

* Read Instruction manual carefully, before using the power supply unit.

= NOTES =

- *1. At 100VAC and Maximum Output Power, Ta=25C.
- *2. For cases where conformance to various safety specs (UL, CSA,TUV) are required to be described as 100-240VAC, 50/60Hz on name plate.
- *3. Please refer to Fig. A for measurement determination of line & load regulation and output ripple & noise voltage.
- *4. From 85~265VAC, constant load.
- *5. From Min load - Full load (Maximum power), constant input Voltage.
- *6. From 0~50°C, constant input voltage and load.
- *7. Current limiting with automatic recovery. Avoid to operate over load or dead short for more than 30 seconds.
- *8. Over Voltage Clamping by Zener Diode (on CH2 only).
- *9. VDE classB with external capacitor.

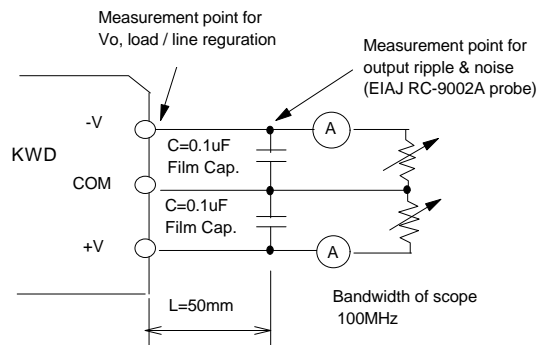


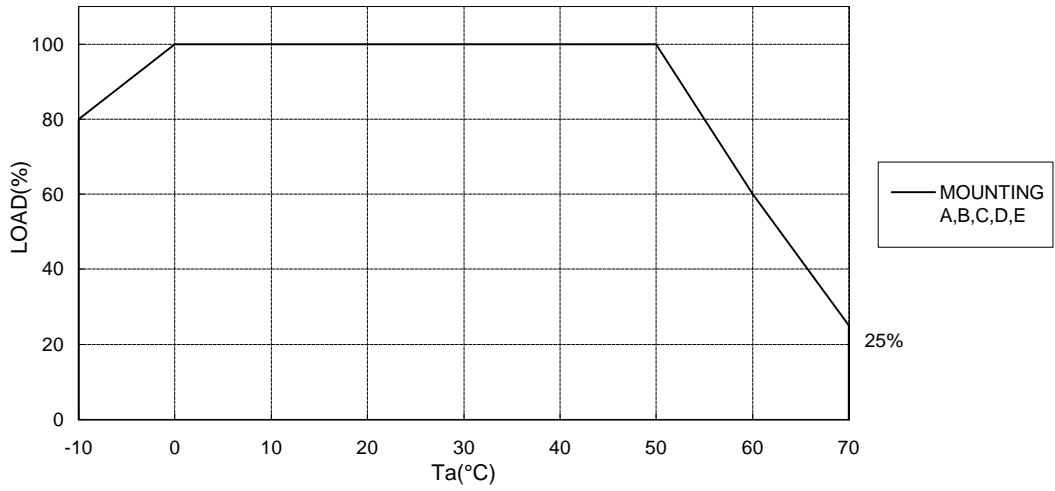
Fig.A

KWD10 OUTPUT DERATING

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Ta (°C)	LOAD (%)				
	MOUNTING : A	MOUNTING : B	MOUNTING : C	MOUNTING : D	MOUNTING : E
-10	80	80	80	80	80
0 ~ +20	100	100	100	100	100
25	100	100	100	100	100
40	100	100	100	100	100
50	100	100	100	100	100
60	60	60	60	60	60
70	25	25	25	25	25

OUTPUT DERATING CURVE



MOUNTING : A
(STANDARD MOUNTING)

MOUNTING : B

MOUNTING : C

MOUNTING : D

MOUNTING : E

